



IFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Venkat SELVAMANICKAM

Serial No.: 10/820,634

Filing Date: April 8, 2004

For: **A Chemical Vapor Deposition (CVD) Apparatus Useable In The Manufacture of Superconducting Conductors**

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

In accordance with 37 C.F.R. § 1.56, counsel wishes to make of record certain items of information for the Examiner's consideration in connection with this application. Enclosed is form PTO/SB/08A for the Examiner's convenience in making such consideration of record. Inclusion herein of any particular item of information is not to be construed as an admission that same is prior art.

The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account No. 502190.

Respectfully submitted,

Stanislav Antolin
Registration No. 34,979

SMITH MOORE LLP
P.O. Box 21927
Greensboro, NC 27420
(336) 378-5516

Date: November 24, 2004

File No.: 05005469.004US1

CERTIFICATE OF MAILING

I HEREBY CERTIFY THAT THIS DOCUMENT IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST-CLASS MAIL, IN AN ENVELOPE ADDRESSED TO: COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450, ON Nov. 24 2004
(Date of Deposit)

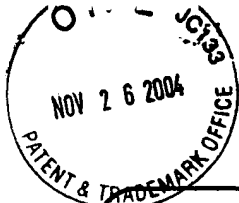
Ruth S. Ridge

Name of Depositor

Signature

November 24, 2004

Date of Signature



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 4

Complete if Known

Application Number	10/820,634
Filing Date	04-08-2004
First Named Inventor	Venkat SELVAMANICKAM
Art Unit	1763
Examiner Name	Unknown
Attorney Docket Number	5005469-004US1

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	a	US- 2002/0192377 A1	12-19-2002	Bartholomew, et al.	
	b	US- 2004/0060514 A1	04-01-2004	Janakiraman, et al.	
	c	US- 2001/0056041	12-27-2001	Jia, Quanxi, et al.	
	d	US- 2003/0036483	02-20-2003	Arendt, Paul, N.; et al.	
	e	US- 3,933,028	01-20-1976	Laud, et al.	
	f	US- 4,001,758	01-04-1977	Esper, et al.	
	g	US- 4,004,452	01-25-1977	Logothetis, et al.	
	h	US- 4,344,127	08-10-1982	McDaniel, et al.	
	i	US- 4,396,976	08-02-1983	Hyatt	
	j	US- 4,413,502	11-08-1983	Ohta, et al.	
	k	US- 4,443,781	04-17-1984	Ohta, et al.	
	l	US-4,450,428	05-22-1984	Ohta, et al.	
	m	US- 4,453,397	06-12-1984	Ohta, et al.	
	n	US- 4,646,223	02-24-1987	Sekiguchi	
	o	US- 4,777,022	10-11-1988	Boldish, et al.	
	p	US-4,916,600	04-10-1990	Ropelato	
	q	US-4,949,669	08-21-1990	Ishii, et al.	
	r	US- 5,059,770	10-22-1991	Mahawili	
	s	US- 5,204,314	04-20-1993	Kirlin, et al.	
	t	US- 5,324,361	06-28-1994	Etzkorn, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	u	EP 1103632 A1	05-30-2001	Ishikawa		
	v	EP 1349968	07-18-2002	Stadel		
	w	EP 1386981 A1	02-04-2004	Masuda		
	x	JP 61263118	11-21-1986	Takashi		
	y	JP 8291385	11-05-1996	Fujikawa		hh
	z	WO 0240741	05-23-2002	Semmache		
	aa	WO 03060186	07-24-2003	Nguyen		b

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	2	of	4
-------	---	----	---

Complete if Known

<i>Application Number</i>	10/820,634
<i>Filing Date</i>	04-08-2004
<i>First Named Inventor</i>	Venkat SELVAMANICKAM
<i>Art Unit</i>	1763
<i>Examiner Name</i>	Unknown
<i>Attorney Docket Number</i>	5005469-004US1

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	bb	US- 5,329,097	07-12-1994	Jones, et al.	
	cc	US-5,351,200	09-27-1994	Impink, Jr.	
	dd	US- 5,441,703	08-15-1995	Jurgensen	
	ee	US-5,536,323	07-16-1996	Kirlin, et.al.	
	ff	US- 5,554,224	09-10-1996	Foltyn	
	gg	US- 5,579,218	11-26-1996	Ehlig, et al.	
	hh	US- 5,595,606	01-21-1997	Fujikawa, et al.	
	ii	US- 5,622,606	04-22-1997	Kügler, et al.	
	jj	US- 5,624,498	04-29-1997	Lee, et al.	
	kk	US- 5,648,006	07-15-1997	Min, et al.	
	ll	US- 5,653,806	08-05-1997	Van Buskirk, et al.	
	mm	US- 5,689,415	11-18-1997	Calotychos, et al.	
	nn	US- 5,711,816	01-27-1998	Kirlin, et al.	
	oo	US- 5,726,912	03-10-1998	Krall, Jr., et al.	
	pp	US- 5,739,086	04-14-1998	Goyal, et. al.	
	qq	US- 5,741,377	04-21-1998	Goyal, et al.	
	rr	US- 5,766,363	06-16-1998	Mizuno, et al.	
	ss	US- 5,783,153	07-21-1998	Logothetis, et al.	
	tt	US- 5,820,678	10-13-1998	Hubert, et al.	
	uu	US- 5,869,744	02-09-1999	Suzuki, et al.	

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Substitute for form 1449A/PTO

(Use as many sheets as necessary)

Sheet	3	of	4
-------	---	----	---

<i>Application Number</i>	10/820,634
<i>Filing Date</i>	04-08-2004
<i>First Named Inventor</i>	Venkat SELVAMANICKAM
<i>Art Unit</i>	1763
<i>Examiner Name</i>	Unknown
<i>Attorney Docket Number</i>	5005469-004US1

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	vv	US- 5,872,080	02-16-1999	Arendt, et al.	
	ww	US- 5,876,673	03-02-1999	Logothetis, et al.	
	xx	US- 5,898,020	04-27-1999	Goyal, et al.	
	yy	US- 5,919,310	07-06-1999	Fujioka, et al.	
	zz	US-5,942,674	08-24-1999	Logothetis, et al.	
	aaa	US- 5,958,599	09-28-1999	Goyal, et al.	
	bbb	US-5,964,966	10-12-1999	Goyal, et al.	
	ccc	US- 5,980,078	11-09-1999	Krivoshein, et a.	
	ddd	US- 6,010,748	01-04-2000	Van Buskirk, et al.	
	eee	US- 6,022,832	02-08-2000	Fritzemeier, et al.	
	fff	US- 6,027,564	02-22-2000	Fritzemeier, et al.	
	ggg	US- 6,066,836	05-23-2000	Chen, et al.	
	hhh	US-6,106,615	08-22-2000	Goyal, et al.	
	iii	US- 6,156,376	12-05-2000	Paranthaman, et al.	
	jjj	US- 6,196,251	03-06-2001	Roehle	
	kkk	US-6,206,972	03-27-2001	Dunham	
	lll	US-6,232,580	05-15-2001	Sandhu	
	mmm	US- 6,245,192	06-12-2001	Dhindsa, et al.	
	nnn	US- 6,294,026 B1	09-25-2001	Roithner, et al.	
	ooo	US- 6,331,199	12-18-2001	Goyal, et. al.	

[illegible]

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08a (08-03)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

<i>Application Number</i>	10/820,634
<i>Filing Date</i>	04-08-2004
<i>First Named Inventor</i>	Venkat SELVAMANICKAM
<i>Art Unit</i>	1763
<i>Examiner Name</i>	Unknown
<i>Attorney Docket Number</i>	5005469-004US1

(Use as many sheets as necessary)

Sheet	4	of	4
-------	---	----	---

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	ppp	US- 6,383,989	05-07-2002	Jia, et al.	
	qqq	US- 6,426,320	07-30-2002	Fritzemeier, et al.	
	rrr	US- 6,447,714	09-10-2002	Goyal, et. al.	
	sss	US- 6,451,450	09-17-2002	Goyal, et. al.	
	ttt	US-6,458,223	10-01-2002	Hans Thieme, et al.	
	uuu	US- 6,475,311	11-05-2002	Fritzemeirer, et al.	
	vvv	US- 6,477,980 B1	11-12-2002	White, et al.	
	www	US- 6,537,419 B1	03-25-2003	Kinnard, et al.	
	xxx	US- 6,541,121	04-01-2003	Usoskin, et al.	
	yyy	US- 6,541,136	04-01-2003	Kwon, et al.	
	zzz	US- 6,553,932 B2	04-29-2003	Liu, et al.	
	aaaa	US- 6,562,761	05-13-2003	Fritzemeier, et al.	
	bbbb	US- 6,599,346	07-29-2003	Goyal, et al.	
	cccc	US- 6,602,313	08-05-2003	Goyal, et al.	
	dddd	US-6,607,838	08-19-2003	Goyal, et al.	
	eeee	US- 6,607,839	08-19-2003	Goyal, et al.	
	ffff	US- 6,610,413	08-26-2003	Goyal, et al.	
	gggg	US- 6,610,414	08-26-2003	Goyal, et al.	
	hhhh	US- 6,610,632	08-26-2003	Honjo, et al.	
		US-			

[illegible]Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.¹ Applicant's unique citation designation number (optional).² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS